IN THE CLAIMS

1. (original) A method of transmitting a collection of information over a multi-channel medium comprising:

associating a first packet of information with a portion of the collection and associating a second packet of information with another portion of the collection,

during a first time period, transmitting the first packet over a first channel of the medium and a second packet over a second channel of the medium,

during a second time period, transmitting the first packet over the second channel of the medium,

during a third time period, transmitting the second packet over the first channel of the medium,

whereby the first time period is a different time period than the second or third time periods.

2. (original) The method of claim 1 wherein the second and third time periods are the same time period such that the first packet is sent over the second channel, and the second packet is sent over the first channel.

3. (original) The method of claim 1 wherein the second and third time periods are different time periods.

4. (original) The method of claim 1 wherein the medium comprises a wire.

5. (currently amended) ~~The~~ A method of ~~claim 1~~ transmitting a collection of information over a multi-channel medium comprising:

associating a first packet of information with a portion of the collection and associating a second packet of information with another portion of the collection,

during a first time period, transmitting the first packet over a first channel of the medium and a second packet over a second channel of the medium,

during a second time period, transmitting the first packet over the second channel of the medium,

during a third time period, transmitting the second packet over the first channel of the medium,

whereby the first time period is a different time period than the second or third time periods,

wherein the medium comprises ~~the~~ atmosphere.

6. (currently amended) The method of claim 4 or 5 wherein the first and second channels relate to ~~a~~ different frequencies of transmission.

7. (original) The method of claim 1 wherein the first and second packets represent different portions of the same content.

8. (canceled)

9. (canceled)

10. (currently amended). ~~The~~ A method of ~~claim 9 further including:~~ transmitting a plurality of packets of information over a multi-channel medium comprising:

allocating each packet to a channel of the medium;

during a first time period, transmitting each packet on its allocated channel;

re-allocating each packet to a channel of the medium such that the packet is not allocated to a channel it was re-allocated to during the first time period;

during a second time period after the first time period, transmitting each packet on its allocated channel;

re-allocating each packet to a channel of the medium such that the packet is not allocated to a channel it was allocated to during the first or second time period;

during a third time period after the second time period, transmitting each packet on its allocated channel;

selecting a number of the channels of the medium; and

repeating the steps of re-allocating and transmitting for additional time periods until every packet has been transmitted at least once on every one of the selected number of channels.

11. (currently amended) The method of claim ~~8, 9, or~~ 10 wherein the step of transmitting during a time period comprises transmitting all of the packets simultaneously.

12. (currently amended) The method of claim ~~8, 9, or~~ 10 wherein the step of transmitting during a time period comprises starting transmission of some packets before other packets.

13. (currently amended) The method of claim ~~8, 9, or~~ 10 wherein at least one of the channels is unable to complete transmission of the packet during the time period.

14. (currently amended) A method of transmitting a plurality of messages over a medium comprising:

associating portions of a first message with selected channels of the medium such that each portion is associated with a different channel;

for each selected channel which is available for transmission and during a first time period, transmitting the first message portions on their associated channels;

associating portions of a second message with the channels of the medium such that each portion is associated with a different channel;

for each selected channel which is available for transmission and during a second time period, transmitting the second message portions on their associated channels;

re-associating the first message portions with selected channels of the medium such that each portion is associated with a channel different from both the other portions and the channel with which it was associated during the first time period;

for each selected channel which is available for transmission and during a third time period, transmitting the second message portions on their re-associated channels; ~~and~~

re-associating the second message portions with selected channels of the medium such that each portion is associated with a channel different from both the other portions and the channel with which it was associated during the second time period; and

for each selected channel which is available for transmission and during a fourth time period, transmitting the second message portions on their re-associated channels.

15. (original) The method of claim 14 wherein the second time period is after the first time period, the third time period is after the second time period and the fourth time period is after the third time period.

16. (original) The method of claim 14 wherein the messages comprises content.

17. (original) The method of claim 14 wherein the selected channels comprise all of the channels of the medium.

18. (currently amended) A method of sending a collection of packets over selected channels comprising:

during a first time period, sending each packet of the collection substantially simultaneously such that each packet is sent over a different channel from another one of the packets; and

during subsequent time periods, repeating the prior step until each packet has been sent at least once on each channel.

19. (original) A system of transmitting information comprising:

a source of information, the source including a processor capable of executing instructions,

a destination for information,

a medium connecting the source to the destination, the medium including a set of channels, each channel being capable of simultaneously carrying information different from the other channels,

the instructions including transmitting a collection of packets of information over a plurality of time periods whereby during any one time period, each packet of the collection is simultaneously transmitted with the other packets such that each packet is associated with a channel different from the other packets, and whereby over a plurality of time periods, each packet of the collection is transmitted at least once on each channel.

20. (original) The system of claim 19 wherein the medium comprises wires.

21. (original) The system of claim 19 wherein the medium comprises a broadband cable network.

22. (original) The system of claim 21 wherein the information comprises video.

23. (original) The system of claim 19 wherein medium is wireless.

24. (original) The system of claim 23 comprising a satellite system.

25. (original) The system of claim 23 comprising a cellular telephone network.

26. (currently amended) The system of claim 19 wherein the system is~~f~~ an OFDM system.

27. (original) A system of transmitting a collection of information over a multi-channel medium comprising:

means for associating a first packet of information with a portion of the collection and a second packet of information with another portion of the collection,

means for transmitting the first packet over a first channel of the medium and a second packet over a second channel of the medium during a first time period,

means for transmitting the first packet over the second channel of the medium during a second time period,

means for transmitting the second packet over the first channel of the medium during a third time period, and

whereby the first time period is a different time period than the second or third time periods.

28. (original) A system of transmitting a collection of packets over selected channels comprising:

means for transmitting each packet of the collection substantially simultaneously during a first time period such that each packet is transmitted over a different channel from another one of the packets, and for repeating the prior step during subsequent time periods until each packet has been transmitted at least once on each channel.